AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1.   (Currently Amended) An apparatus comprising:

a body casing having a plurality of surfaces;

an input keypad disposed on a first surface of said body casing to facilitate entry of alphanumeric data;

at least a first button disposed on a second surface of said body casing; and

complementary logic to

facilitate entry of alphanumeric data and user programmable phrases ~~having~~

~~one or more words,~~ in encoded representation~~s~~s of a variable length

encoding scheme using said at least first button, the variable length

encoding scheme having a plurality of codes of various code lengths,

wherein the shortest code of the variable length encoding scheme

~~having~~represents ~~a plurality of codes of various code lengths,~~

~~with one or more of the plurality of codes having the shortest~~

~~lengths representing the~~ a first user programmable phrase

selected by a user~~s~~, said first user programmable phrase

comprising one or more words, and

wherein the second shortest code of the variable length encoding

scheme represents a second user programmable phrase selected

by a user, said second user programmable phrase comprising one

or more words; and

facilitate the user in assigning ~~one or more~~the first ~~of the~~user programmable ~~phrase~~phrase selected by the users to the shortest length codes of the variable encoding scheme and in assigning the second user programmable phrase selected by the user to the second shortest length code of the variable encoding scheme.

2.   (Previously Presented) The apparatus of claim 1, wherein said apparatus further comprises a display, and said complementary logic further echoes on said display alphanumeric data or user programmable phrases represented by encoded representations representing said alphanumeric data and encoded representations directly representing said user programmable phases entered using said at least first button.

3.   (Currently Amended) The apparatus of claim 1, wherein ~~each of~~said at least first button is optically associated with a light source, and said complementary logic further causes said light source associated with said at least first button to be energized to light said first button to visually echo the encoded representations of said variable length encoding scheme of letters, numbers or punctuations entered through said input keypad.

4.   (Currently Amended) The apparatus of claim 1, wherein said apparatus further comprises a transceiver to send and receive signals, and an adapter interface to removably attach a device capable of vibrating to said apparatus, and to vibrationally output alphanumeric data or user programmable phrases received through said transceiver, for touch comprehension, using said removably attached device capable of vibrating ~~device~~.

5.   (Previously Presented) The apparatus of claim 4, wherein said alphanumeric data or user programmable phrases are vibrationally outputted through vibrational manifestation of encoded representations of the encoding scheme.

6.-8.   (Cancelled)

9.   (Previously Presented) The apparatus of claim 1, wherein said complementary logic further supports user specification of said user programmable phrases having one or more words.

10.   (Cancelled)

11.   (Previously Presented) The apparatus of claim 1, wherein said encoded representations comprise a code representing a punctuation selected from a group of punctuations consisting of a colon, a semi-colon, a left parenthesis, a right parenthesis, and an exclamation.

12.   (Previously Presented) The apparatus of claim 11, wherein said code representing the selected punctuation is one of

Selected Punctuation	Code
/ (slash)	*dahditdahditdah*
, (comma)	*dahdahditditdah*
. (period)	*dahdahdahditdah*
? (question mark)	*ditdahditdah*

: (colon)	*ditdahdahditdah*
; (semicolon)	*ditdahditditdah*
! (exclamation)	*ditdahditdahdit*
((left parenthesis)	*ditditdahditdit*
) (right parenthesis)	*dahdahditdahdah*
space	*ditditditdit*
' (single quote)	*dahditdahdahdah*
" (double quote)	*ditdahditdahdah*
- (hyphen)	*ditdahdahdahdit*
+ (plus sign)	*dahditditditdah*
= (equal sign)	*ditditdahdahdit*

13.   (Previously Presented) The apparatus of claim 1, wherein said encoded representations comprise a code representing a letter selected from a group of letters consisting of

Letters	Custom Codes
E	*ditdit*
G	*dahdahdahdit*
H	*dahditdah*
I	*ditdahdah*
K	*ditdahditdit*
L	*dahdahdit*
M	*dahdahdahdah*
T	*dahdah*

W	*ditditdahdah*

14. (Previously Presented) The apparatus of claim 1, wherein said complementary logic further maps each of said entered variable length encode representations to a corresponding code of a fixed length binary representation scheme for representing alphanumeric data.

15. (Previously Presented) The apparatus of claim 1, wherein said apparatus further comprises at least an additional second button for use in conjunction with the first button to enter direct encoded representations for user programmable phrases having one or more words.

16.-17. (Cancelled)

18. (Previously Presented) The apparatus of claim 1, wherein said first and second surfaces are different surfaces of the body casing.

19. (Previously Presented) The apparatus of claim 18, wherein said first surface is a front surface of the body casing, and said second surface is a second surface of the body casing.

20. (Previously Presented) The apparatus of claim 1, wherein said first and second surfaces are the same surface of the body casing.

21. (Currently Amended) An apparatus comprising:

a transceiver to send and receive signals;

an adapter interface to removably attach a device capable of vibrating to said apparatus; and

complementary logic in support of said transceiver and said adapter interface to vibrationally output alphanumeric data and user programmable phrases having one or more words received via said transceiver through vibrational manifestation of encoded representations of the received alphanumeric data and user programmable phrases for touch comprehension, using the removably attached device capable of vibrating ~~device~~, wherein the vibrationally manifested encoded representations are representations of a variable length encoding scheme, the variable length encoding scheme having a plurality of codes of various code lengths, ~~,~~ wherein

the shortest code of the variable length encoding scheme represents a first user programmable phrase selected by a user, said first user programmable phrase comprising one or more words, and

the second shortest code of the variable length encoding scheme represents a second user programmable phrase selected by a user, said second user programmable phrase comprising one or more words ~~with one or more of the plurality of codes having the shortest lengths representing the user programmable phrases~~, and

facilitate the user in assigning the first user programmable phrase selected by the user to the shortest length code of the variable encoding scheme and in assigning the second user programmable phrase selected by the user to the second shortest length code of the variable encoding scheme. ~~one or more of the user programmable phrases to the shortest length codes.~~

22. (Currently amended) The apparatus of claim 21, wherein said apparatus further comprises a display~. and said complementary logic further supports echoing on said display said alphanumeric data or user programmable phrases received through said transceiver.

23.-26. (Cancelled)

27. (Previously Presented) The apparatus of claim 21, wherein said encoded representations comprise a code representing a punctuation selected from a group of punctuations consisting of a colon, a semi-colon, a left parenthesis, a right parenthesis, and an exclamation.

28. (Previously Presented) The apparatus of claim 27, wherein said code representing the selected punctuation is a selected one of

Selected Punctuation	Code
/ (slash)	*dahditdahditdah*
, (comma)	*dahdahditditdah*
. (period)	*dahdahdahditdah*
? (question mark)	*ditdahditdah*
: (colon)	*ditdahdahditdah*
; (semicolon)	*ditdahditditdah*
! (exclamation)	*ditdahditdahdit*
((left parenthesis)	*ditditdahditdit*
) (right parenthesis)	*dahdahditdahdah*
space	*ditditditdit*

' (single quote)	*dahditdahdahdah*
" (double quote)	*ditdahditdahdah*
- (hyphen)	*ditdahdahdahdit*
+ (plus sign)	*dahditditditdah*
= (equal sign)	*ditditdahdahdit*

29.   (Previously Presented) The apparatus of claim 21, wherein said encoded

representations comprise a code representing a letter selected from a group of letters

consisting of

Letters	Custom Codes
E	*ditdit*
G	*dahdahdahdit*
H	*dahditdah*
I	*ditdahdah*
K	*ditdahditdit*
L	*dahdahdit*
M	*dahdahdahdah*
T	*dahdah*
W	*ditditdahdah*

30.   (Previously Presented) The apparatus of claim 21, wherein said alphanumeric data are

received in fixed length binary representations of a fixed length character encoding scheme,

and said complementary logic maps each of the received fixed length binary representations

to a corresponding encoded representation of the variable length encoding scheme.

31.   (Currently amended) An apparatus comprising:

a body casing having a plurality of surfaces;

an input keypad disposed on a first of said surfaces having a plurality of alphanumeric keys;

a light source;

at least a first button disposed on a second of said surfaces ~~of said body casing~~, optically associated with the light source; and

complementary logic in support of

entry, through the input keypad, of alphanumeric data and user programmable

phrases selected by the user, said user programmable phrases having one

or more words ~~through the input keypad~~,

entry, using said first button, of alphanumeric data and user programmable

phrases through entry of encoded representations of the alphanumeric

data and the user programmable phrases ~~using the at least first button~~,

wherein the encoded representations are representations of a variable

length encoding scheme, the variable length encoding scheme having a

plurality of codes of various code lengths,

wherein the shortest code of the variable length encoding scheme

represents a first user programmable phrase selected by a user,

said first user programmable phrase comprising one or more

words, and

wherein the second shortest code of the variable length encoding

scheme represents a second user programmable phrase selected by

a user, said second user programmable phrase comprising one or more words

with one or more of the plurality of codes having the shortest lengths reserved for the user programmable phrases,

assigning-ment of one the first user programmable phrase selected by the user to the shortest length code of the variable encoding scheme and in assigning the second user programmable phrase selected by the user to the second shortest length code of the variable encoding schemeor more of the user programmable phrases to the shortest length codes, and

energizing of said light source to light said at least-first button to visually echo encoded representations of alphanumeric data and user programmable phrases entered through said input keypad.

32.-34. (Cancelled)

35.   (Previously Presented) The apparatus of claim 31, wherein said complementary logic further supports user specification of said user programmable phrases having one or more words.

36.   (Previously Presented) The apparatus of claim 31, wherein said encoded representations comprise a code representing a punctuation selected from a group of punctuations consisting of a colon, a semi-colon, a left parenthesis, a right parenthesis, and an exclamation.

37. (Previously Presented) The apparatus of claim 36, wherein said code representing the selected punctuation is a selected one of

Selected Punctuation	Code
/ (slash)	*dahditdahditdah*
, (comma)	*dahdahditditdah*
. (period)	*dahdahdahditdah*
? (question mark)	*ditdahditdah*
: (colon)	*ditdahdahditdah*
; (semicolon)	*ditdahditditdah*
! (exclamation)	*ditdahditdahdit*
((left parenthesis)	*ditditdahditdit*
) (right parenthesis)	*dahdahditdahdah*
space	*ditditditdit*
' (single quote)	*dahditdahdahdah*
" (double quote)	*ditdahditdahdah*
- (hyphen)	*ditdahdahdahdit*
+ (plus sign)	*dahditditditdah*
= (equal sign)	*ditditdahdahdit*

38. (Previously Presented) The apparatus of claim 31, wherein said encoded representations comprise a code representing a letter selected from a group of letters consisting of

Letters	Custom Codes

E	*ditdit*
G	*dahdahdahdit*
H	*dahditdah*
I	*ditdahdah*
K	*ditdahditdit*
L	*dahdahdit*
M	*dahdahdahdah*
T	*dahdah*
W	*ditditdahdah*

39.   (Previously Presented) The apparatus of claim 31, wherein said alphanumeric data are entered in fixed length binary representations of a fixed length character encoding scheme, and said complementary logic maps each of the entered fixed length binary representations to a corresponding encoded representation of the variable length encoding scheme.

40.   (Previously Presented) The apparatus of claim 31, wherein said first and second surfaces are different surfaces of said body casing, and said light source comprises one or more light emitting diodes (LED) proximally disposed with the first button.

41-46   (Cancelled)

47.   (Currently Amended) In a wireless mobile phone, a method comprising:

_____————receiving encoded representations of a variable length encoding scheme of alphanumeric data and user programmable phrases having one or more words, said encoded

representations entered using at least a first button disposed on a top or side surface of the mobile phone, said variable length encoding scheme comprising a plurality of codes of various code lengths,

wherein the shortest code of the variable length encoding scheme represents a first user programmable phrase selectable by a user, said first user programmable phrase comprising one or more words, and

wherein the second shortest code of the variable length encoding scheme represents a second user programmable phrase selectable by a user, said second user programmable phrase comprising one or more words~~with one or more of the plurality of codes having the shortest lengths representing the user programmable phrases, one or more of the user programmable phrases having been assigned to the shortest length codes~~,

and said mobile phone also having an input keypad disposed on a front surface to facilitate entry of alphanumeric data; and

in response, electrically generating signals corresponding to fixed length digital representations of said alphanumeric data or user programmable phrases entered through entry of their variable length encoded representations of said variable length encoding scheme using said at least a first button.

48.   (Previously Presented) The method of claim 47, wherein said method further comprises visually echoing on a display of said mobile phone said alphanumeric data or user programmable phrases entered through entry of their variable length encoded representations of said variable length encoding scheme using said at least a first button.

49. (Previously Presented) The method of claim 47, wherein each of said at least a first button is optically associated with a light source, and said method further comprises energizing said light source associated with said at least a first button to light said first button to visually echo the variable length encoded representations of said variable length encoding scheme of letters, numbers, punctuations, and user programmable phrases entered through said input keypad.

50. (Previously Presented) The method of claim 47, wherein said mobile phone further comprises an adapter interface to removably attach a capable of vibrating device to said mobile phone, and said method further comprises vibrationally outputting the variable length encoded representations of the alphanumeric data and user programmable phrases received through a transceiver of said mobile phone for touch comprehension, using said removably attached capable of vibrating device.

51. (Currently Amended) A method of communication comprising:

placing a call to a callee using a wireless mobile phone;

communicating verbally with the callee using the wireless mobile phone; and

at selected moments of desired increased privacy during the call, communicating non-verbally with the callee, entering alphanumeric data and user programmable phrases having one or more words to be transmitted to the callee in an encoded representation form in accordance with a variable length encoding scheme, using at least a first button disposed on a top or side surface of the wireless mobile phone, and sending the entered alphanumeric data and user programmable phrases to the callee, said variable length encoding scheme comprising a plurality of codes of various code lengths,

wherein the shortest code of the variable length encoding scheme represents a first

user programmable phrase selected by a user, said first user programmable

phrase comprising one or more words, and

wherein the second shortest code of the variable length encoding scheme represents a

second user programmable phrase selected by a user, said second user

programmable phrase comprising one or more words~~with one or more of the~~

~~plurality of codes having the shortest lengths representing the user~~

~~programmable phrases, one or more of the user programmable phrases having~~

~~been assigned to the shortest length codes~~.

52.   (Previously Presented) The method of claim 51, wherein the method further

comprises mapping the variable length encoded representations of the alphanumeric data and

user programmable phrases into corresponding conventional fixed length digital character set

representations, in accordance with the variable length encoding scheme.

53-55 (Cancelled)

56.   (Currently Amended) An apparatus comprising:

a transceiver to send and receive signals;

a body casing having a front surface and a side surface;

an input keypad disposed on said front surface of said body casing to facilitate entry

of alphanumeric data and user programmable phrases having one or more words;

a first button disposed on said side surface of said body casing;

a second button disposed on said side surface of said body casing adjacent to said first

button;

means coupled to the first and second buttons and to the transceiver to facilitate entry of alphanumeric data and user programmable phrases via corresponding code representations of a variable length coding scheme, using said first and second buttons, the variable length encoding scheme comprising a plurality of codes of various code lengths, ~~with one or more of the plurality of codes having the shortest lengths representing the user programmable phrases,~~ and transmission of said alphanumeric data and user programmable phrases using said transceiver.

> wherein the shortest code of the variable length encoding scheme represents a
> > first user programmable phrase selected by a user, said first user
> > programmable phrase comprising one or more words, and
> wherein the second shortest code of the variable length encoding scheme
> > represents a second user programmable phrase selected by a user, said
> > second user programmable phrase comprising one or more words; and

means coupled to the input keypad to facilitate assignment of one or more of the user programmable phrases to the shortest length codes.

57.   (Previously Presented) The apparatus of claim 56, wherein said apparatus further comprises a display, and said means further echoes on said display alphanumeric data or user programmable phrases represented by code representations entered using said first and second buttons.

58.   (Previously Presented) The apparatus of claim 56, wherein said apparatus further comprises an adapter interface to removably attach a device capable of vibrating to said apparatus, and to vibrationally output alphanumeric data and user programmable phrases

received through said transceiver for touch comprehension, using said removably attached capable of vibrating device.

59.   (Previously Presented) The apparatus of claim 58, wherein said alphanumeric data and user programmable phrases are vibrationally outputted through vibrational manifestation of the code representations of the alphanumeric data and user programmable phrases.

60.-63. (Canceled)

64.   (Currently Amended) In a wireless mobile phone, a method comprising:

receiving code representations of alphanumeric data and user programmable phrases, said user programmable phrases having one or more words, entered using a first and a second button disposed on a top or side surface of the mobile phone, said mobile phone also having an input keypad disposed on a front surface to facilitate entry of said alphanumeric data or user programmable phrases, the variable length coding scheme having a plurality of codes of various code lengths,

wherein the shortest code of the variable length encoding scheme represents a first user programmable phrase selected by a user, said first user programmable phrase including one or more words, and

wherein the second shortest code of the variable length encoding scheme represents a second user programmable phrase selected by a user, said second user programmable phrase including one or more words with one or more of the plurality of codes having the shortest lengths representing the user programmable phrases, one or more of the user

~~programmable phrases having been assigned to the shortest length~~ ~~codes~~; and

in response, electrically generating signals corresponding to digital representations of said alphanumeric data or user programmable phrases entered through entry of their code representations using said first and second buttons, and transmitting said alphanumeric data or user programmable phrases by electro-magnetically transmitting said generated signals.

65. (Previously Presented) The method of claim 64, wherein said method further comprises visually echoing on a display of said mobile phone said alphanumeric data or user programmable phrases entered through entry of their code representations using said first and second buttons.

66. (Previously Presented) The method of claim 64, wherein said mobile phone further comprises an adapter interface to removably attach a capable of vibrating device to said mobile phone, and said method further comprises vibrationally outputting alphanumeric data or user programmable phrases received through a transceiver of said mobile phone for touch comprehension, using said removably attached capable of vibrating device.

67-69 (Cancelled)